

**B.Sc. DEGREE END SEMESTER EXAMINATION MARCH
2016**

SEMESTER - 2: BSc BOTANY

COURSE: 15U2CRBOT2, MYCOLOGY, LICHENOLOGY AND PLANT
PATHOLOGY

Time: Three Hours

Maximum Marks: 60

Part A

I. Answer **all** questions; each question carries one mark.

1. What is Dikaryotisation.
2. Define Heterothallism.
3. Define incubation period.
4. Name the fungi causing white rust.
5. Mention the characters of Mycoparasite
6. Name a coprophilous fungi
7. Name a heteroecious fungus.
8. Name a poisonous mushroom

(1 x 8 = 8)

Part B

II. Answer **any six** questions; each question carries two marks.

9. Describe the structure of *Peziza* apothecium
10. Write the notes on clamp connection in basidiomycetes
11. Write a note on the economic importance of lichens
12. Explain the importance of plant quarantine measures
13. Explain the uredospore formation in *Puccinia*
14. Describe the cause, symptoms and preventive measures of bunchy top of banana
15. Explain the harmful and beneficial aspects of fungi
16. What are the morphological defense structures seen in plants
17. Explain the uses of neem plant
18. What is the common method to control abnormal leaf fall of rubber?

(2 x 6 = 12)

Part C

III. Answer **any four** questions; each question carries four marks.

19. Briefly explain the mechanism of disease resistance.
20. Brief note on mycorrhizal associations
21. Describe the asexual reproductive structures in fungi
22. Explain how mushrooms are cultivated?
23. Describe the biological control of plant diseases
24. Write a brief account on the characteristics features of ascomycetes.

(4 x 4 = 16)

Part D

IV. Answer **any two** questions; each question carries twelve marks.

25. Give an outline of Ainsworth's classification of fungi.
Enumerate main
features of different classes of fungi.

OR

26. Briefly explain the life cycle of a facultative saprophyte with
special emphasis
on damping off of seedling

27. With the help of diagrams describe the reproduction, and life
cycle of *Rhizopus*.

OR

28. Discuss the evolutionary trends in fungi

(12 x 2 = 24)
